

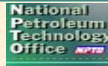
Interactive Information System on Drilling Waste Management

Project Team: Practice



ChevronTexaco

NGOT Petroleum Environmental
Program Funding Provided by:



What Is the Problem?

- Many drilling waste management options exist
 - Not all options are allowed or make sense in all locations
 - How do operators determine which ones to use?
- Many developing countries do not have well-established drilling waste requirements
 - U.S. companies operating there may face limited and costly disposal options

Activities and Deliverables

- FY-02
 - Collect information on regulatory and technology description
 - Develop framework for information system modules
- FY-03
 - Complete draft information system
 - Peer review
 - Open information system to public
- Communication and outreach through presentations at conferences and publications
 - Veil, J.A., *Drilling Waste Management: Past, Present, and Future*, SPE 77388, SPE Annual Technical Conference and Exhibition, San Antonio, TX, September 29 - October 2, 2002.
 - Puder, M.G., B. Bryson, and J.A. Veil, *draft Compendium of Regulatory Requirements Governing Underground Injection of Drilling Wastes*, prepared by Argonne National Laboratory for the U.S. Department of Energy, Office of Fossil Energy, National Petroleum Technology Office, November 2002.
 - Fidler, B., *Interactive Website for Drilling Waste Management*, 9th IPEC, Albuquerque, NM, October 22-25, 2002.

Site Architecture



- Provides basic information about practices that are currently being used



Injection



Closed-cycle drilling system



Physical separation



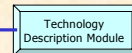
Collect for onshore disposal

- Identifies and summarizes regulations dealing with drilling waste management

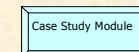
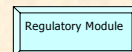
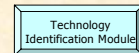


Proposed Solution

Develop an interactive web-based information system

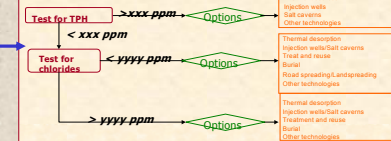


Other Features



- Users answer series of questions to determine the waste management practices that would make the most sense for a given geographical or environmental setting

Hypothetical Example



- Email List/ Forum
 - Submit questions
 - Search through previous discussions
- Email-based Notification System
 - Set up for either regular electronic newsletter distribution or as-needed broadcast messages about changes in regulations and technologies
- Other reference and search features

- Provides actual examples of how waste management approaches or technologies have been used

